



Web Application: ***Field User's Manual***

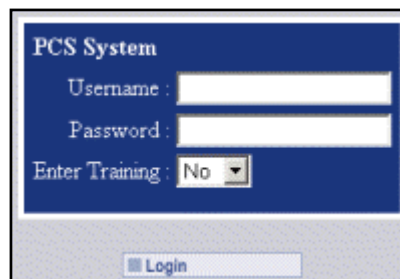
Version: January 12, 2006

Before You Begin

- Use **Internet Explorer 5.0** or later to run the **PCS Web Application**. Netscape does not function as well and may have unknown compatibility issues.
- The **PCS Web Application** has been optimized for screen resolutions of **1024 x 768** or higher. Lower resolutions could result in the need to scroll to see the entire screen.
- While using the PCS Web Application, do not use the Internet Explorer **Back** and **Forward** buttons. Use the navigational buttons provided by the web application.
- The **PCS Web Application** requires a **DOT Email account**. If you do not have one, please contact your Division Computer Consultant to request one. Once you have been assigned an email account, contact **PMU** to have your username added to enable access.

Logging onto PCS

<https://apps.dot.state.nc.us/pmu/pcs/>

The image shows a web form titled "PCS System". It contains three input fields: "Username:" with a text box, "Password:" with a text box, and "Enter Training:" with a dropdown menu currently set to "No". Below these fields is a "Login" button.

Follow these steps to log on to the **PCS Web Application**:

1. Type your **DOT Email username**.
(ie. **jdoe** is the username for JDoe@dot.state.nc.us)
2. Type your **DOT Email password**.
3. Choose **Yes** to enter the training database. Choose **No** to enter the live production server.
4. Click the **Sign On** button.

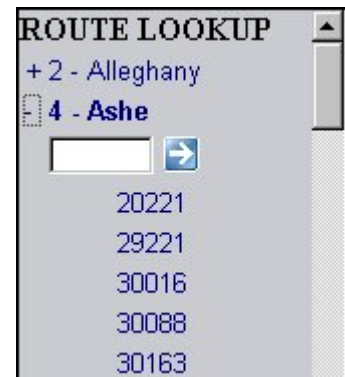
Route Lookup

Once logged in you should see the **Route Lookup** navigational bar. This bar lists all counties in your assigned division:




This navigational bar allows you to choose routes at anytime and from anywhere within the web application.

To choose a county, simply click on it. A list of all routes associated with the county will expand. You can choose your route either by scrolling through the list or by typing the route into the space provided. Clicking the route you wish to view/edit will take you to the **Section List** for that route.



Section List



North Carolina Department of Transportation

PAVEMENT CONDITION SURVEY

[LOGOUT](#)

ROUTE LOOKUP

+ 2 - Alleghany

- 4 - Ashe

20221

29221

30016

30088

30163

30194

41003

41100

41101

41103

41104

41105

41106

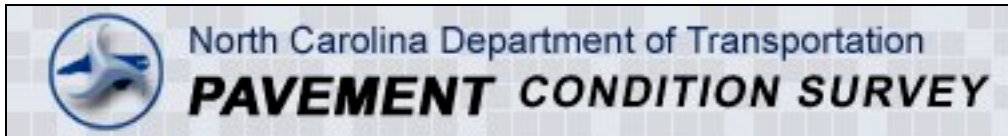
41107

Section List - Ashe 2004

County	Route	Direction	Begin Description	Begin Mile Post	Length	End Description
4	29221	-	US 221	0	1.43	HAMILTN ST
4	29221	-	HAMILTN ST	1.43	0.28	SECOND ST
4	29221	-	SECOND ST	1.71	0.19	WIDTH CHNG
4	29221	-	WIDTH CHNG	1.9	0.36	NCL W JEFF
4	29221	-	NCL W JEFF	2.26	0.5	SCL JEFRSN
4	29221	-	SCL JEFRSN	2.76	0.31	WIDTH CHG
4	29221	-	WIDTH CHG	3.07	0.56	NC 88
4	29221	-	NC 88	3.63	0.82	US 221
County	Route	Direction	Begin Description	Begin Mile Post	Length	End Description

The Section List displays the following basic information for each section within the chosen route


- County
- Route
- Direction
- Begin Description
- Begin Mile Post
- Length
- End Description



The **Section List** is an inventory of all sections associated with the **county and route** you selected from the list in **Route Lookup**. From this screen, you may choose the section you wish to **view/edit** by clicking on any field within the row. Doing this will take you to a **detailed view** of the chosen section.

If a route has only **one** section, then the web application automatically brings up the **detailed view** of that section.

Detailed Section Information



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4 - Ashe

20221292213001630088301633019441003411004110141103411044110541106411094111041111411124111341114

Route **29221** Detailed Section Information - **Ashe** 2004

Edit Section
Back To List

[< Previous](#)
[Next >](#)

Year	Co./City Code	Route	Divid. Direction	Begin Mile Post	Begin Description	Length 0.01 (mile)	End Description
2004	4	28	29221	1.43	HAMLTN ST	0.28	SECOND ST

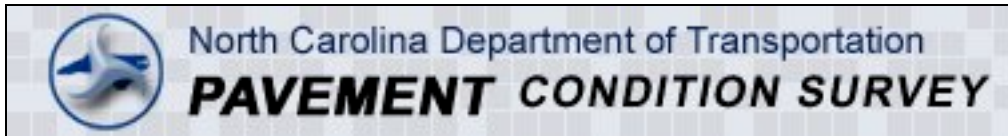
Pavement Type (P,B,S)	Pavement Width (ft.)	No. Lanes	Shoulders Types (P,U)	Shoulders Width (ft.)	Curb & Gutter	Year Resf	Resf TH	S/R	ADT
P	64	4		0	Y	0	0		13232



Pavement Distress Conditions

Alligator Cracking (N,L,M,S)			Transverse Cracking	Rutting	Raveling	Oxidation	Bleeding	Ride Quality	Patching
10	0	0	0	N	N	N	N	N	N

Once a **route section** is selected from the **Section List**, the application expands to show detailed information about that particular section. (See the *Guide to the PCS Data Entry Sheet* at the end of this manual for descriptions of all the fields displayed.)

6



You can scroll through all sections of the route using the  and  navigational links. If the **Previous** link is unavailable, you are currently at the beginning of a route. If the **Next** link is unavailable, you are currently at the end of a route.


If you wish to edit the section data, click **Edit Section**.



To return to the **Section List**, click **Back to List**.



Detailed Section Information Editor



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4 - Ashe

Route **29221** Detailed Section Information - Ashe 2004
Back To List

Yellow = fields that can be edited

Year	Co./City Code	Route	Divid. Direction	Begin Mile Post	Begin Description	Length 0.01 (mile)	End Description
2004	4	28	29221	1.43	HAMLTN ST	0.28	SECOND ST

Pavement Type (P,B,S)	Pavement Width (ft.)	No. Lanes	Shoulders Types (P,U)	Shoulders Width (ft.)	Curb & Gutter	Year Resf.	Resf. TH	S/R	ADT
P	64	4	P	0	Y	0	0		13232

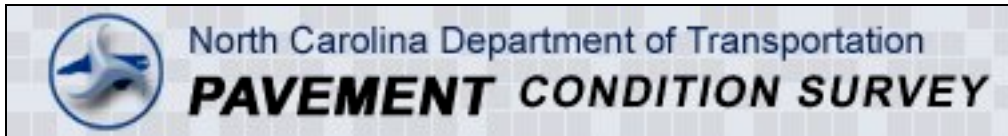
Pavement Distress Conditions

Alligator Cracking (N,L,M,S)	Transverse Cracking	Rutting	Raveling	Oxidation	Bleeding	Ride Quality	Patching
10	0	0	0	None	None	None	None

<< Save / Edit Previous
Save
Save / Edit Next >>

When choosing to edit data, all fields that you have permission to edit are highlighted in yellow. Normally this includes the last two rows. To edit a field, follow these steps:

1. Click in the field that you wish to edit.
 - By default, the cursor begins in the **Alligator Cracking** distress field.
2. Enter the new value.
 - Refer to the *Guide to the PCS Data Entry Sheet* for restrictions on how you should enter data.



3. Press **TAB** to move to the next field.
4. To **save** your changes, click the **Save** button at the bottom of the page.
5. To **save** your changes and advance to the **next** section in the route, click the **Save/Edit Next** button.
6. To **save** your changes and advance to the **previous** section in the route, click the **Save/Edit Previous** button.
7. When you have reached the end of the route, the **Save/Edit Next** button will disappear. Be sure to click the **Save** button before selecting another route or your changes will not be saved.
8. To view/edit another route, simply click on a route from the **Route Lookup** navigational bar or type in a new route number.

To return to the Section List, click **Back to List**.



Logging Out

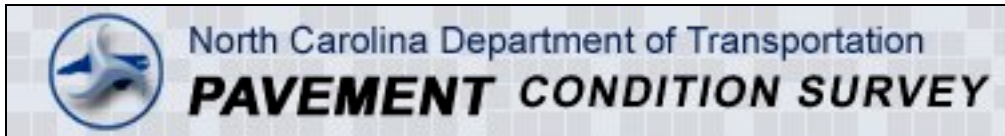
Once you have finished with the web application, you may logout by clicking the **Logout** link in the upper-right corner of the application:



You will receive the following message when you have successfully logged out:

We recommend that you close your browser after logging out to insure security and proper functionality for the next time you log in to use the PCS Web Application.





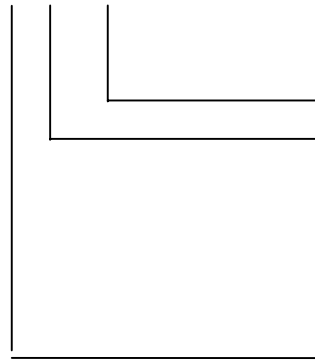
Guide to the PCS Data Entry Sheet

Note: Only PMU employees can modify these fields.

CO-CITY CODE: 2 digit numeric codes for the county and city/town in which the route section lies. The city code is blank if a section is outside the city limits.

ROUTE: 5 digit code for the route being surveyed. A direction code (N,S,E,W) will immediately follow the route code if it is a divided highway. If it's not a divided highway, but has a direction code, please make a note so we can fix the error.

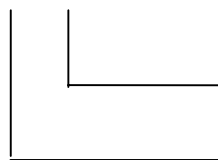
Primary System: X X XXX



Route number
Special condition code
1 = Alternate
7 = Spur
8 = Truck
9 = Business

Type of Route:
1 = Interstate
2 = US
3 = NC

Secondary System: X XXXX



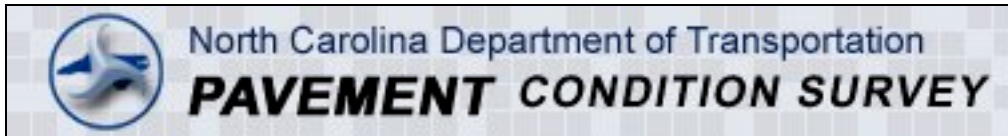
Route number
Type of Route
4 = Secondary

BEGIN MILEPOST: This indicates the milepost of the beginning point of the section. Unlike the old mainframe system, the decimal must be entered for the milepost values. (5.13 vs. 513)

BEGIN DESCRIPTION: Brief description (10 Characters) of the beginning of the section. Not accessible to division personnel.

SECTN LENGTH: Length of the section. Again, the decimal must be typed in.

END DESCRIPTION: Brief description (10 Characters) of the end point of the section.



Field personnel can modify the remaining fields:

PAVMNT (Pavement):

T = Pavement Type, either P (Plant Mix), B (BST) or S (Slurry)
WI = Pavement Width, excluding any paved shoulders
L = Number of through lanes, including continuous center left turn lanes

SLDR (Shoulder):

T = Shoulder Type, either P (Paved) or U (Unpaved)
WI = Width (average for section); paved shoulder must be continuous on both sides.

C - G (Curb and Gutter):

Y = Yes, must be continuous on both sides; N = No, including one side only.

Required Length: 0.50 mile – Rural, 0.30 mile - Urban

YEAR RESF: Indicate year of latest resurfacing

TH: Indicate thickness of latest resurfacing

S, R: (S = subdivision road, R = rural road)

ADT: Average Daily Traffic on the route section

ALLIGATOR CRK: Alligator Cracking with the percent of the section rated for the four severity levels of (N)one, (L)ight, (M)oderate, or (S)evere. Percentages are recorded on the data sheet as 01 (10%), 02 (20%), ... 10(100%).

TRV: Transverse Cracking, rated with one letter: (N)one, (L)ight, (M)oderate, or (S)evere.

RUT: Rutting, rated with one of the four letters, (N,L,M,S)

RAV: Raveling, rated with one of the four letters, (N,L,M,S). Only sections with pavement types of B or S should be rated for raveling. If pavement type is P, it should be recorded as N.

OXD: Oxidation, rated with one of the four letters, (N,L,M,S). Only sections with pavement type P should be rated for raveling. If pavement type is B or S, it should be recorded as N.

BLE: Bleeding, rated with one of the four letters, (N,L,M,S)

RID: Ride Quality, rated with one of the three letters as follows: (L)ight (Average), (M)oderate (Slightly Rough), (S)evere (Rough)

PAT: Patching, rated with one of the four letters, (N,L,M,S)